Calcasieu River & Pass, Louisiana Dredged Material Management Plan (DMMP) Kick off Meeting

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Project Manager

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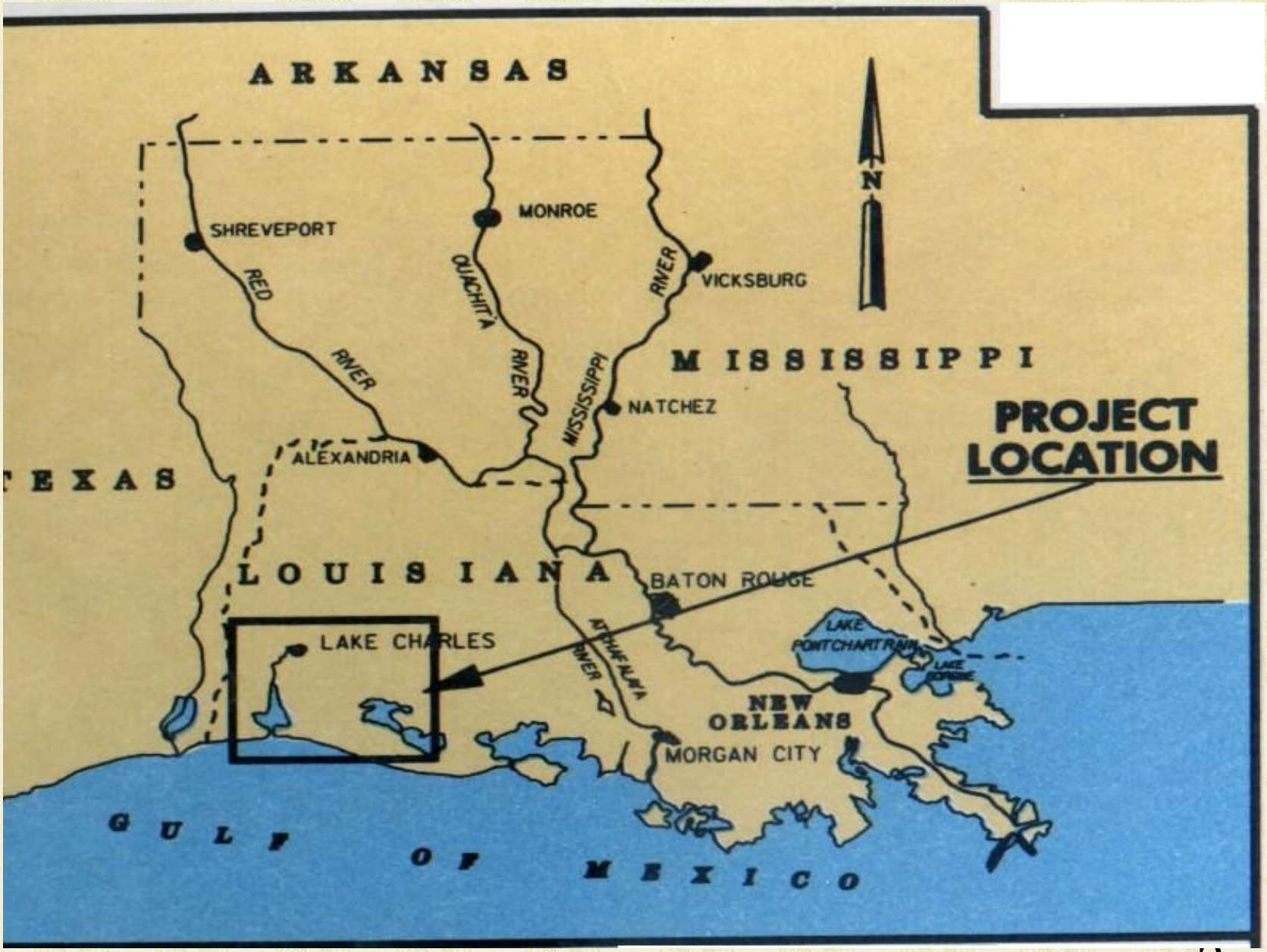
Topics of Discussion

- *Purpose*
- *Plan Formulation*
- *Development Process*
- *Requirements*
- *Schedule*
- *Where to next*


ARKANSAS
SHREVEPORT
MONROE
VICKSBURG
RED RIVER
OUACHITA RIVER
MISSISSIPPI RIVER
N
MISSISSIPPI
NATCHEZ
PROJECT LOCATION
TEXAS
ALEXANDRIA
LOUISIANA
BATON ROUGE
LAKE CHARLES
ATCHAFALAYA RIVER
LAKE PONTCHARTRAIN
LAKE BORGNE
NEW ORLEANS
MORGAN CITY
GULF OF MEXICO

De Quincy
Phillips Bluff
SALT WATER BARRIER
SEE SHEET 1-7(2)
TURNING BASIN
35' x 750' x 1000'
CLEARING, SNAGGING
AND DREDGING
CALCASIEU
PARISH
JEFFERSON DAVIS
PARISH
Sulphur
LAKE
CHARLES
35' x 250'
CHANNEL
Jennings
SEE INSERT "A"
EXISTING
TURNING BASIN
(Deepen to 40' Depth)
CALCASIEU LOCK
LAKE CHARLES
DEEP WATER
CHANNEL
Lake
Arthur
Lake
Arthur
Willow
Lake
CHANNEL
40' x 400'
CAMERON
PARISH
Hackberry
CALCASIEU
LAKE
GULF
INTRACOASTAL
WATERWAY
MOORING BASIN
40' x 350' x 2000'
Sweet
Lake
Lake Misere
Grand
Lake
RIVER
DOCKING AREA FOR
DREDGE WEELER
12 x 200
Mud
Lake
Cameron
MERMENTAU
Upper Mud
Lake
40' TO 42' x 400'
Lower Mud
Lake
JETTY
JETTY
GULF OF MEXICO
42' x 800'
CHANNEL

Background of Project

- *The area of the project is the Calcasieu River and Pass. The specific area is the reach from river mile 5.0 to 36.0*

- *Dredging Cycle:*
  Mile 0 – 5 dredging not required (project dimensions maintained naturally)
  Mile 5 – 14 and Mile 14 – 28 and Devil's Elbow alternating years
  Mile 28 – 36 once every five years.
  Project ends at Mile 36

- *Over 4 million cubic yards of sediment is dredged annually from sub-reaches of the area. The dredged material is placed in a series of Confined Disposal Facilities (CDFs) adjacent to the river, and occasionally used for creation of wetlands when paired with CWPPRA or CAP Section 204*

CWPPRA = Water Resources Coastal Wetland Planning, Protection Restoration Act (1990 Breaux Act).
CAP = Continuing Authority Program. Section 204 of the 1992 Water Resources Development Act, beneficial uses of dredged material to protect, restore, or create aquatic and ecologically related habitats,including wetlands.

Purpose of DMMP

- ***The goal is to accomplish the disposal of dredged material from navigation projects in the least costly manner and meet all Federal environmental standards.***

- ***U.S. Army Corps of Engineers (USACE) policy (Engineering Regulation 1105-2-100) requires each of its districts to prepare a DMMP to maintain federal navigation channels for at least 20 years.***

DMMP Plan Formulation

It will identify:

the amount of material that needs to be dredged to maintain the federal channel

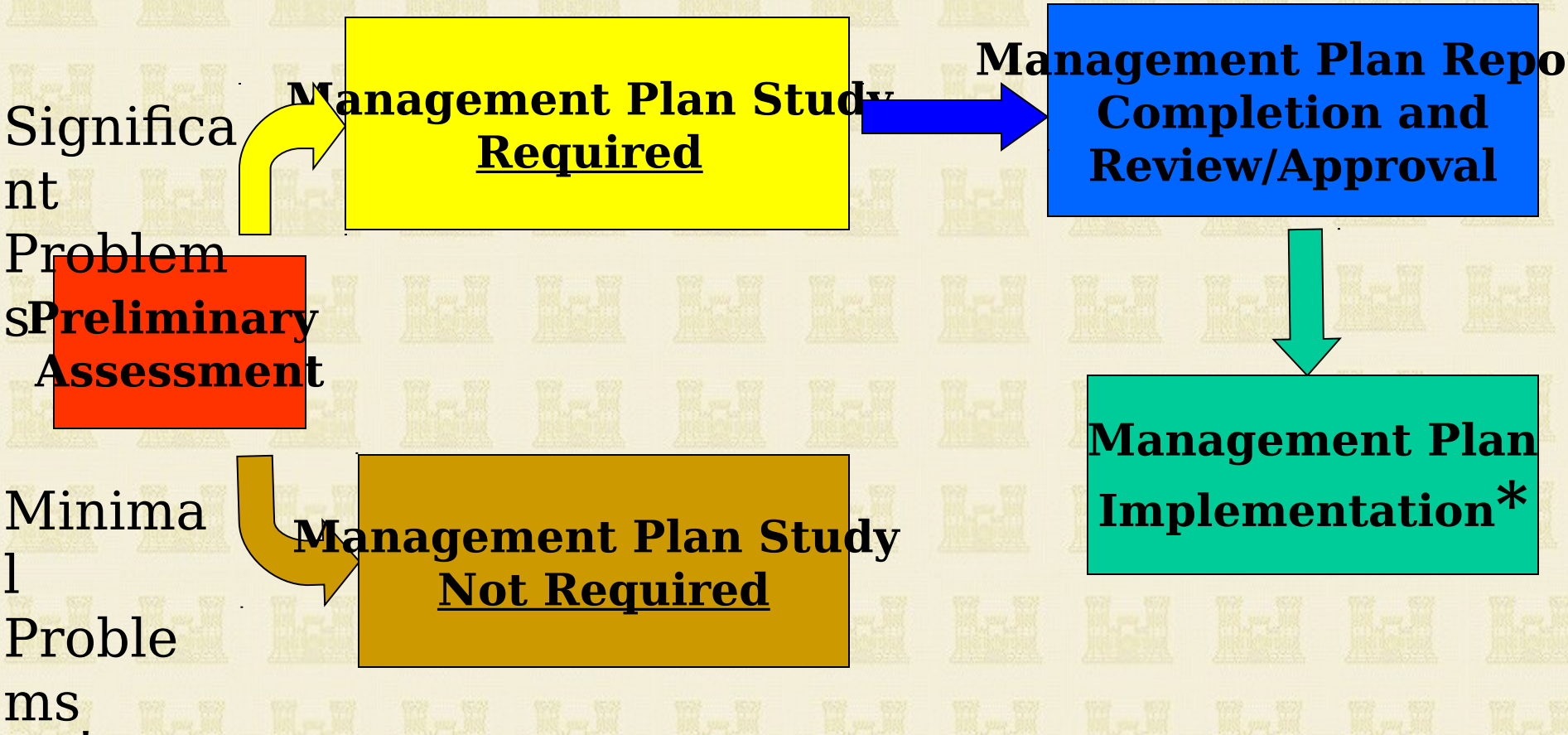
the manner in which the dredged material will be managed/disposed using cost effective and environmentally accepted methods

specific measures necessary to manage the volume of material likely to be dredged over a 20-year period for maintenance dredging

Plan Formulation
cont.

- ***It will consider the Non-Federal permitted dredging within the related (geographical) area to the extent that disposal of material from these sources affects the size and capacity of federal disposal areas***

DMMP Development Process



***Requires the execution of a Project Cooperation Agreement (PCA) with the local sponsor and contingent upon Federal and Non-Federal funds**

Development Process cont.

- ***Preliminary Assessment: Final report entitled " Calcasieu River & Pass Dredged Material Sedimentation Study" completed by the U.S. Army Engineer Research and Development Center (ERDC) in May 2004.***
- ***The report concluded that the storage capacity of the existing confined disposal facilities is not sufficient to accommodate all the dredged material that would be removed in the next 1-3 years.***
- ***Therefore, a dredged material management plan (short/long-term) needs to be prepared for the placement of material over the next 20-years.***

DMMP Requirements

1) Alternatives

(No-Action Plan, Environmentally Preferred Plan, and Base Plan)

- extend life of existing disposal sites

- new disposal sites involving different disposal methods

- reduce dredging cycles

2) Beneficial Uses

Include an assessment of potential uses of dredged material for environmental purposes including fish and wildlife habitat creation, ecosystem restoration and enhancement

Requirements cont.

3) Involvement and Coordination

Interdisciplinary Team – relevant professional disciplines needed to ensure sound professional decisions

Partnership - project sponsors, port authorities, local governments, and other project users and beneficiaries are partners ,

and have a key role as the project proponents in building local consensus

Review and Consultation – Federal, State, and other public agencies with legal review, consultation, or other regulatory responsibility

Public Involvement – members of the public who are interested, likely to be affected, or otherwise have a stake in the outcomes

Requirements cont.

4) Environmental Consistency

DMMP shall address the requirements of all applicable environmental statues, executive orders, and other federal requirements for all disposal alternatives considered.

DMMP Schedule

- *February 2005 – Completion of ERDC's studies on erosion control and the short/long term capacities of the existing CDFs.*
- *Final DMMP report – 24 to 36 months*
- *Environmental Impact Statement (EIS) – 18 to 36 months*
- *Project Cooperation Agreement (PCA) – 12 to 24 months (Fed/Non-Fed cost-sharing responsibilities)*

Schedule cont.

- ***DMMP approval at Division level – 1 to 2 months. If significant problems arise, needs approval at Headquarters level***
- ***PCA approval at Headquarters 3 months (2 months for processing and 1 month for execution)***
- ***Implementation of the DMMP upon execution of PCA and contingent upon Federal and Non-Federal funds***

Where to next

- ***Completion of the ERDC's studies by February 2005***
- ***Tentative Meeting scheduled for the second week of April 11-15***